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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/071,936	02/07/2002	Terry Robert Ecklund	10022/182	9850

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EXAMINER	
BILGRAMI, ASGHAR H	

ART UNIT	PAPER NUMBER
2443	

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04/14/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/071,936	ECKLUND ET AL.	
	Examiner	Art Unit	
	ASGHAR BILGRAMI	2443	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *23 January 2009*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,4,6,10-12,15-18,20 and 25-28* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,4,6,10-12,15-18,20 and 25-28* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *07 February 2002* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 1, 4, 6, 10-12, 15-18, 20, 25-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ollikainen (U.S. Pub No. 2003/0074475A1) ,Ndili (U.S. Pub No. 2002/0161928 A1) and Tracy el al (5,979,757).

3. As per claims 1, 6, 11, 15-17, 28 Ollikainen disclosed a wireless communication system comprising: a remote server including a predetermined mark-up language file; a proxy server configured to communicate with said remote server, wherein said proxy server is programmed to receive a request to retrieve said predetermined mark-up language file, wherein said request is transmittable from a wireless communication device, wherein said request received from said wireless communication device is generated in response to selection of a menu item from among a plurality of menu items displayable with said wireless communication device {regarding web pages and (Mark-up language) browsers please see paragraphs.25, 49, 54, 70, 75} wherein said request is to retrieve said predetermined mark-up language file said request being in a first format that is converted into a second format by said proxy server (paragraphs. 26, 46 & 47), said second format being used to retrieve said predetermined mark-up language

file from said remote server. However Ollikainen did not explicitly disclose wherein said proxy server is configured to divide said predetermined mark-up language file into a plurality of viewable segments, said plurality of viewable segments being a predetermined number of viewable segments, including a first viewable segment and a second viewable segment, said first viewable segment and said second viewable segment each being sized less than a display buffer and sized to fit within a viewable area of a display screen of said wireless communication device so that a whole of any one of said viewable segments and a navigation aid are viewable at the same time in said viewable area of said display screen, wherein said proxy server is further configured to generate said navigation aid, wherein said proxy server is further configured to transmit said first first-viewable segment and said navigational aid in response to said request, said navigation aid being selectable with said wireless communication device to request said second viewable segment and wherein said Proxy server is further configured to transmit said second viewable segment upon receipt of a selection of said navigation aid by said wireless communication device. In the same field of endeavor Ndili disclosed wherein said proxy server is configured to divide said mark-up language file into a plurality of viewable segments including a first viewable segment and a second viewable segment (Page.5. paragraphs78-80), said first viewable segment and said second viewable segment each being sized less than a display buffer and sized to fit within said viewable area of said display screen of said wireless communication device so that a whole of any one of said viewable segments and a navigation aid are viewable at the same time in said viewable area of said display

screen (page.3, paragraphs 47-51 & page.6, paragraphs. 83 & 84), wherein said proxy server is further configured to generate said navigation aid wherein said proxy server is further configured to transmit said first first-viewable segment and said navigational aid in response to said request, said navigation aid being selectable with said wireless communication device to request said second viewable segment and wherein said Proxy server further configured to transmit said second viewable segment upon receipt of a selection of said navigation aid by said wireless communication device (page.5, paragraphs 78 through 81 & page6, paragraphs 82 through 84).

It would have been obvious to one in the ordinary skill in the art at the time the invention was made to have incorporated the segmentation of the received predetermined mark-up language file as disclosed by Ndili in a wireless communication system disclosed by Ollikainanen order to make the Internet browsing of a mark-up language file more efficient for the user resulting in smooth reception and reliable availability of mark-up language data to the user's handheld device.

However neither Ollikainen nor Ndilla disclose wherein said proxy server is further configured to generate said navigation aid, wherein said proxy server is further configured to transmit said first first-viewable segment and said navigational aid in response to said request, said navigation aid being selectable with said wireless communication device to request said second viewable segment and wherein said Proxy server is further configured to transmit said second viewable segment upon receipt of a selection of said navigation aid by said wireless communication device. In the same filed of endeavor Tracy disclosed wherein said proxy server is further

configured to generate said navigation aid, wherein said proxy server is further configured to transmit said first first-viewable segment and said navigational aid in response to said request, said navigation aid being selectable with said wireless communication device to request said second viewable segment and wherein said Proxy server is further configured to transmit said second viewable segment upon receipt of a selection of said navigation aid by said wireless communication device (col.10, lines 9-32).

It would have been obvious to one in the ordinary skill in the art at the time the invention was made to have incorporated proxy server being further configured to generate a navigation aid with the viewable segment as disclosed by Tracy in a wireless communication system disclosed by Ollikainen and Ndili in order to make the communication system more versatile and efficient for the user resulting in smooth reception and reliable availability of mark-up language data to the user's handheld device.

4. As per claims 4, 10 & 12 Ollikainen – Ndili and Tracy disclosed the wireless communication system of claim 1, wherein said proxy server is configured to convert said viewable segments into a format compatible with said wireless communication device (Ndili, page.5, paragraphs 78 through 81 & page6, paragraphs 82 through 84).

5. As per claim 18 Ollikainen - Ndili and Tracy disclosed the computer network of claim 17, wherein said size of said viewable area of said display screen is determined by querying with the said proxy server said wireless communication device (Ndili, page.5, paragraphs 78 through 81 & page6, paragraphs 82 through 84).

6. As per claims 20 Ollikainen – Ndili and Tracy disclosed the wireless communication system of claim 15, wherein the whole of one of said first viewable segment or second viewable segment (Ndili, Page 5. paragraphs 78-81) and least one if said first navigation aid and or said second navigation aid are viewable simultaneously in said display (Tracy, col.10, lines 9-32).

7. As per claims 25 Ollikainen – Ndili and Tracy disclosed the method of claim 17, further comprising: generating a menu with said wireless communication device, wherein said menu includes a plurality of menu items selectable with an input device included in said wireless communication device, wherein said plurality of menu items include an integration and application programming interface (API) tools menu item (Ndili, paragraph.149), a technical services menu item, and a gateway services menu item, wherein said menu is displayable only when said wireless communication device is in communication with said proxy server; receiving a selection of a menu item from said menu items with said input device; and generating said request for said

predetermined mark-up language file from said selected menu item (Ndili, Paragraphs.144-146).

8. As per claims 26 & 27 Ollikainen – Ndili and Tracy disclosed the wireless communication system of claim 1, wherein said plurality of viewable segments includes a third viewable segment, and said navigation aid is a first navigation aid, wherein said proxy server is further configured to generate a second navigation aid and a third navigation aid, wherein said proxy server is further configured to transmit said second navigation aid and said third navigation aid with said second viewable segment in response to receipt from said wireless communication device of selection of said first navigation aid, said second navigation aid being selectable with said wireless communication device to request said first viewable segment and said third navigation aid being selectable with said wireless communication device to request said third viewable segment, wherein said proxy server is further configured to transmit said first viewable segment in response to receipt from said wireless communication device of selection of said second navigation aid, and wherein said proxy server is further configured to transmit said third viewable segment in response to receipt from said wireless communication device of selection of said third navigation aid (Tracy, col.10, lines 9-32).

Response to Arguments

9. Applicant's arguments filed 1/23/2009 have been fully considered but they are not persuasive.

10. Applicant argued that Ollikainen alone or in combination with Ndili and Tracy, does not teach, suggest or disclose a proxy server that that generates a navigation aid, transmits a first viewable segment and navigation aid, and transmits a second viewable segment in response to a selection of the navigation aid as claimed in claim 1.

As to applicant's argument regarding prior arts not disclosing or utilizing a proxy server, examiner points applicant to paragraph 70 and figure 7 in Ollikainen which clearly discloses the transmission of data from a remote server to client device(s) via a proxy server.

> [0070] **FIG. 7** depicts the use of the multinode server. Here the user can be a subscriber of a mobile network using a mobile phone operating with WAP protocol. Such a phone is called a WAP phone. The user can use the browser of the phone to receive files according to the WAP protocol or pages coded with wireless markup language (WML pages). In comparison to browsers installed in personal computers and capable of handling complex files, a WAP browser can handle rather simple files. Phone **70** is connected through mobile network **71** to a node of multinode server **72** offering WAP services. In addition, server **72** can fetch files from internet network **73** for downloading to phone **70**. Quite often the fetched file is not in such a format that WAP phone **70** could handle it. Resolution of a GIF picture or HTML document might be too high, for example. In that case the format conversion unit of the multinode server carries out conversion into a format which the WAP phone can handle and which is suitable for transmission through the radio interface. Conversion may be both protocol conversion from http to WAP and coding conversion from html or xtml to xml. In such cases the multinode server acts as a proxy.

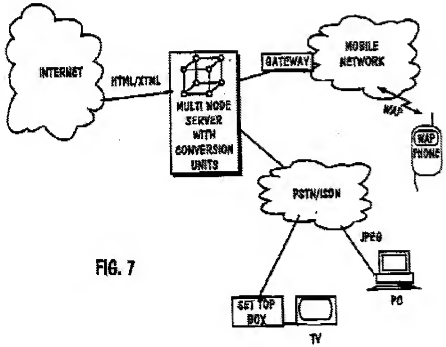

FIG. 7

Therefore in light of the above disclosure Ollikainen clearly discloses the transmission of data from a remote server to client device(s) via a proxy server.

11. Applicant argued that claims 6, 11, 15, 16, 17, 28 and their corresponding dependent claims are allowable for the same reason given for claim 1.

As to applicant's argument claims 6, 11, 15, 16, 17, 28 and their corresponding dependent claims are not allowable for the same reason given by the examiner for claim 1.

12. Applicant argued that prior arts fails to disclose "menu items" as disclosed in dependent claim 25.

As to applicant's argument Ndili clearly disclose the use of menus in paragraph 146 as follows:

> [0146] In an embodiment, each stack **1105** includes selection fields **1110**, **1120**, and **1130**. The first selection field **1110** may be used by the operator to select a programming conversion module matching the programming of the mobile device. For example, the operator may select HDML. This enables agent **950** to route communications to and from an HDML type mobile device **920** through program conversion module **924**. The program conversion module **924** is signaled to retrieve instructions from database **940** for converting communications to and from HDML. Examples of selection fields **1110**-**1130** include user-interactive features such as menus and text-fields.

Conclusion

13. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ASGHAR BILGRAMI whose telephone number is (571)272-3907. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tonia L.M. Dollinger can be reached on 571-272-4170. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. B./
Examiner, Art Unit 2443

/Tonia LM Dollinger/
Supervisory Patent Examiner, Art Unit 2443